

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: G2-2108-353-7

Luminaire Tested: **LXS-VA1-AMB-U-AST-C**

Test Date: 9/28/2021

Test Information

Test Method: LM-79-08
Report Number: G2-2108-353-7
Test Lab: COOPER LIGHTING SOLUTIONS
Test Date: 9/28/2021
Issue Date: 9/28/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: LXS-VA1-AMB-U-AST-C
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
NARROW BAND AMBER LEDS AND TYPE IV OPTIC, CANTILEVER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 920.1 lumens
Efficiency: N/A
Efficacy: 27.1 lumens/watt
Luminous Opening: Circular (Dia: 1.67' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

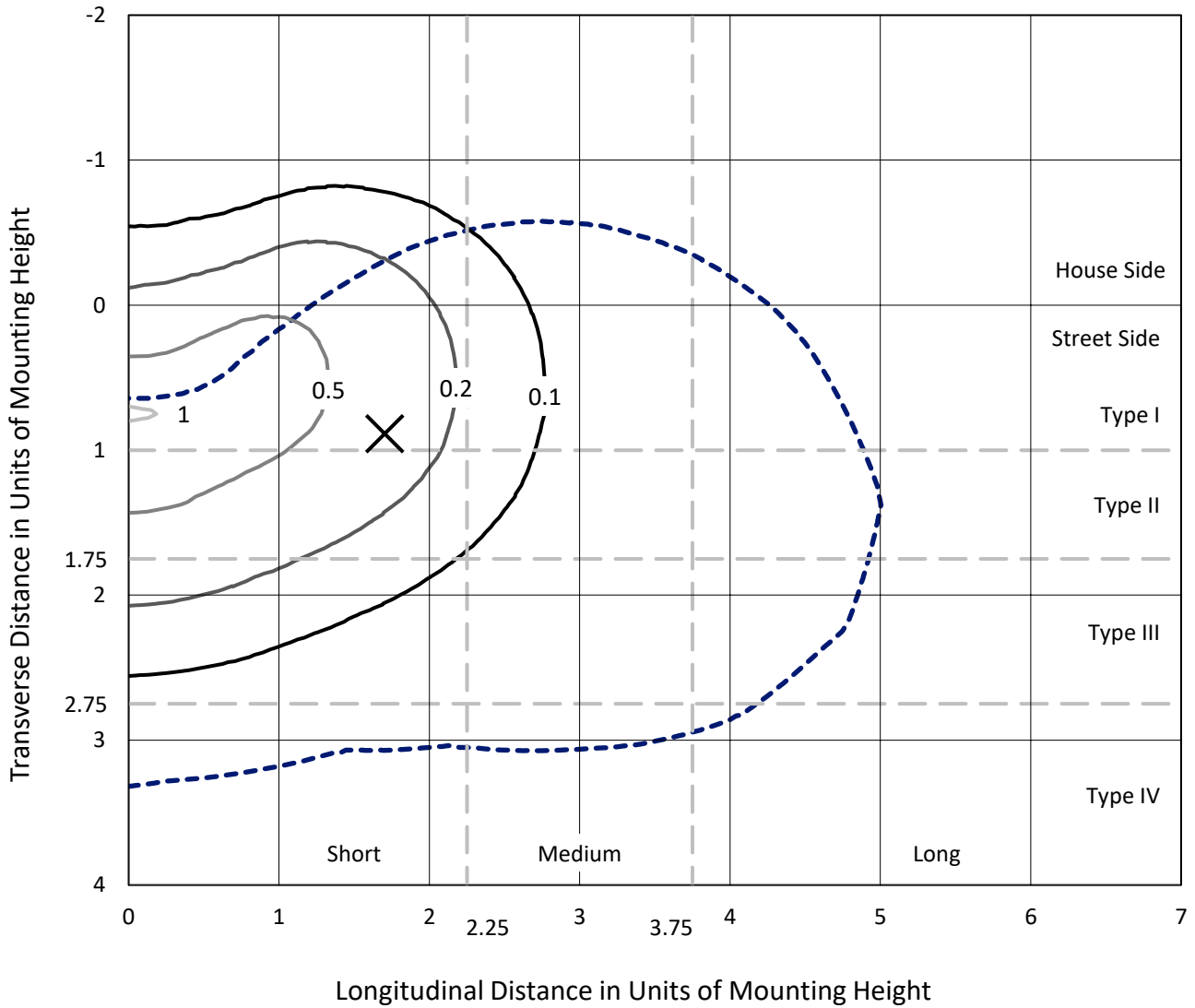
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

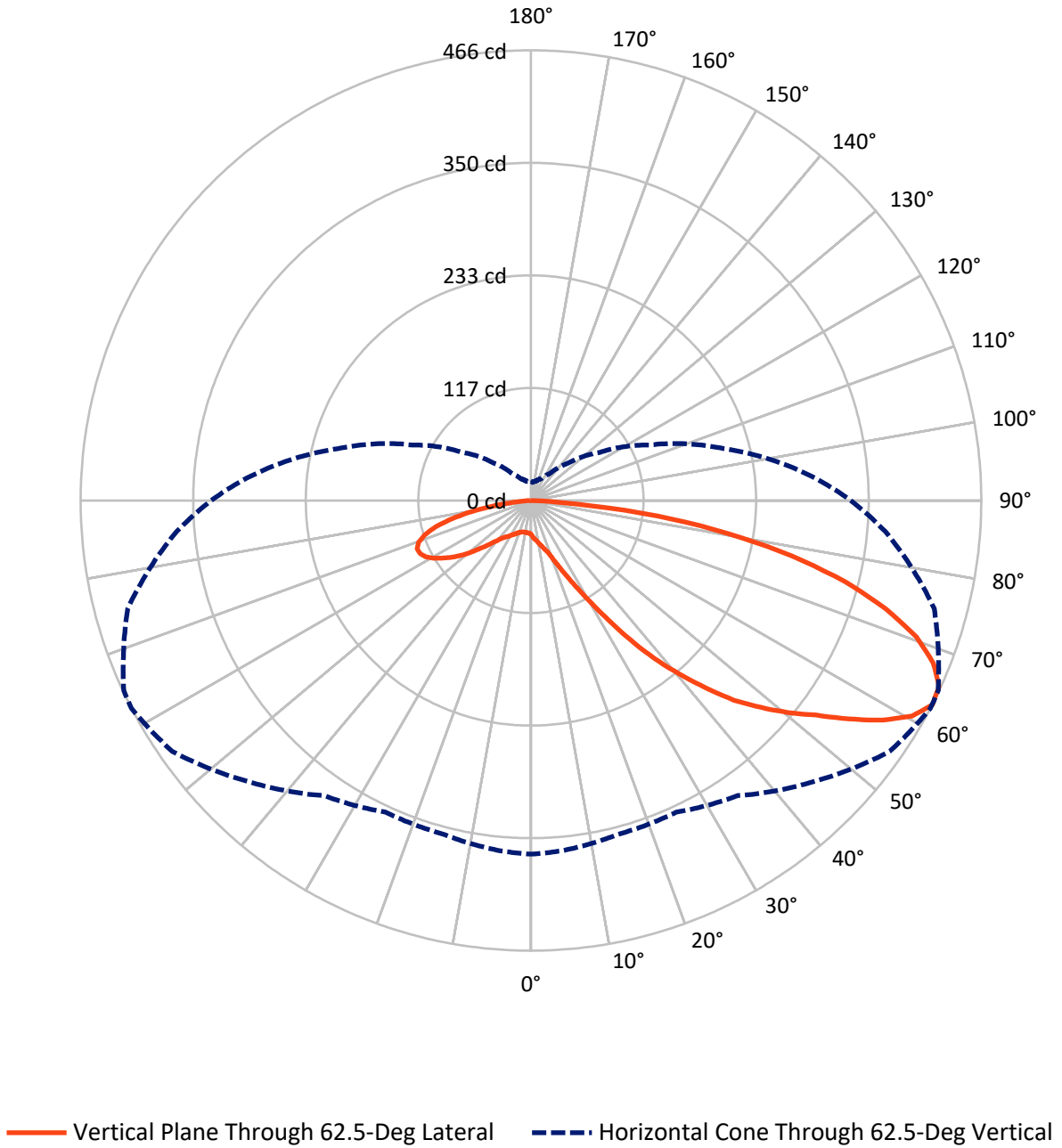
✕ Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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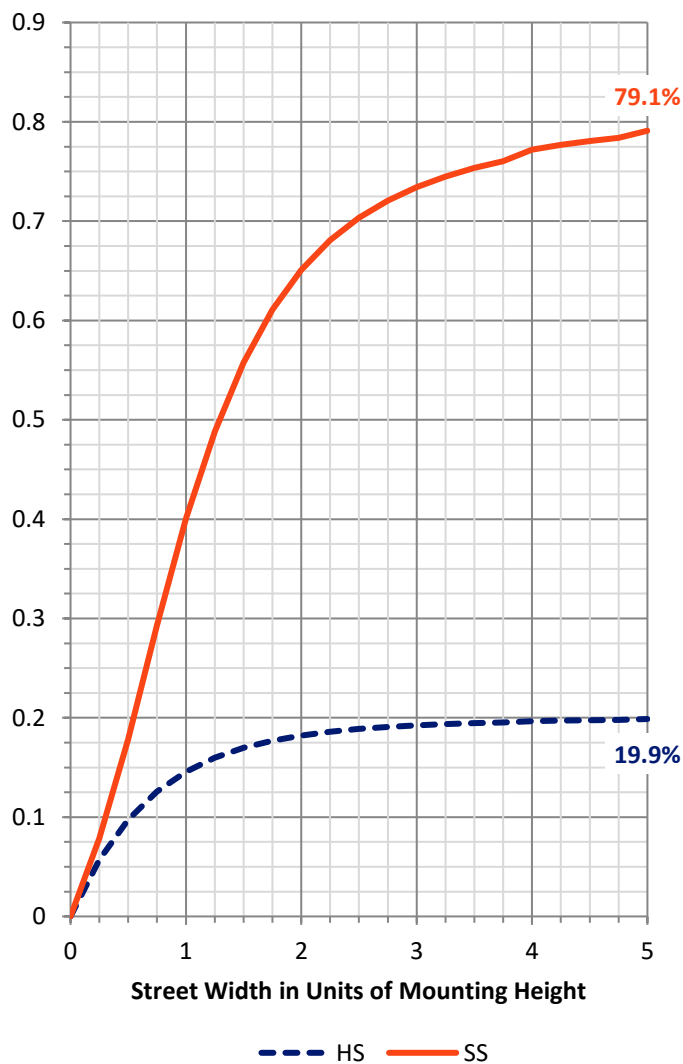
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	184.1	0.0	184.1
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	736.0	0.0	736.0
	% Fixture	80.0	0.0	80.0
Total	Lumens	920.1	0.0	920.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.4
10°-20°	12.7	1.4
20°-30°	31.3	3.4
30°-40°	76.3	8.3
40°-50°	137.2	14.9
50°-60°	202.3	22.0
60°-70°	237.7	25.8
70°-80°	178.6	19.4
80°-90°	40.5	4.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	920.1	100.0
0°-180°	920.1	100.0

Coefficient of Utilization

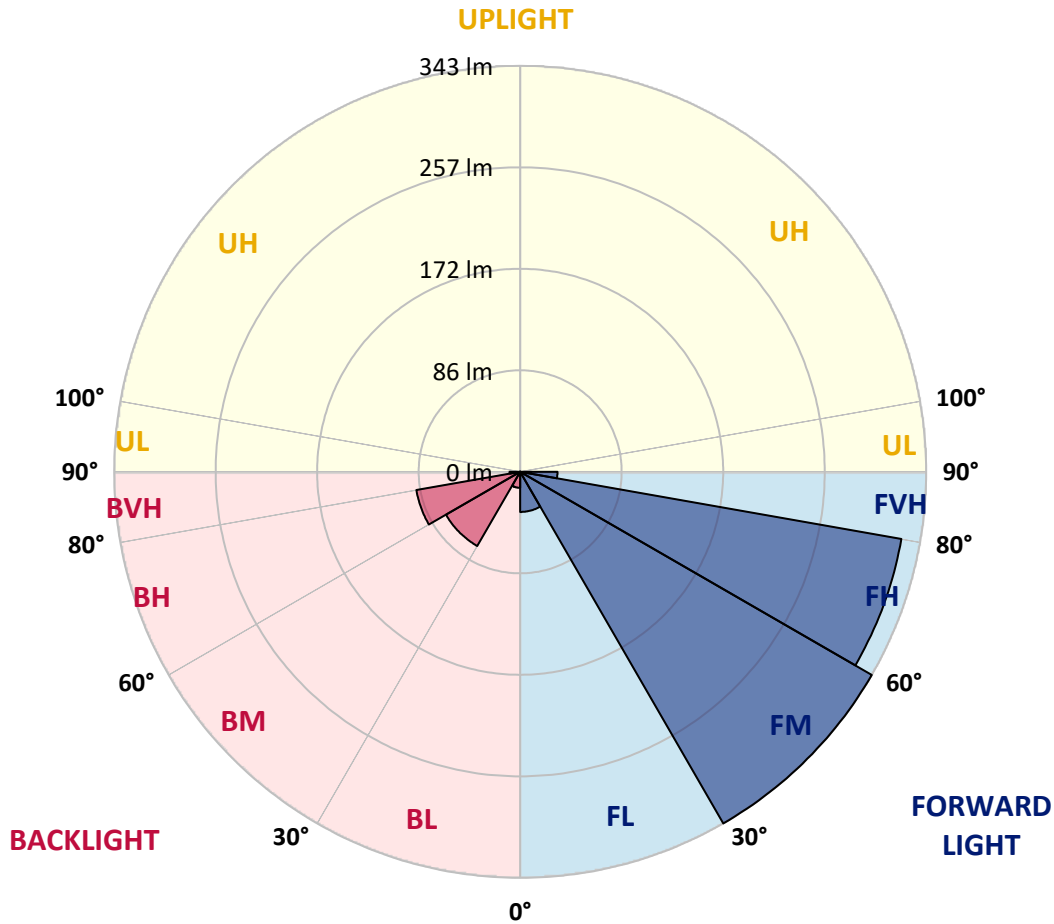


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	33.9	3.7			
FM (30°-60°)	343.3	37.3			
FH (60°-80°)	327.3	35.6			G0/660
FVH (80°-90°)	31.6	3.4			G1/100
BL (0°-30°)	13.6	1.5	B0/110		
BM (30°-60°)	72.4	7.9	B0/220		
BH (60°-80°)	89.1	9.7	B0/110		G0/110
BVH (80°-90°)	8.9	1.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	62.5°	65°	75°	85°
0°	35	35	35	35	35	35	35	35	35	35	35
2.5°	40	39	39	39	39	38	38	38	37	37	36
5°	44	43	43	43	42	41	40	40	40	38	37
7.5°	48	48	47	47	46	44	43	42	42	40	39
10°	53	53	52	51	49	48	46	45	44	42	40
12.5°	59	59	58	56	54	52	49	48	47	45	42
15°	66	65	64	63	60	57	54	52	51	47	44
17.5°	74	74	73	70	67	64	59	56	55	50	46
20°	88	88	86	83	78	74	69	64	62	56	50
22.5°	103	103	100	96	92	86	80	74	72	64	55
25°	125	124	119	112	108	102	94	87	84	73	62
27.5°	146	147	142	135	126	120	110	103	99	84	69
30°	183	183	176	166	155	143	133	123	120	100	80
32.5°	233	229	220	203	188	172	161	148	143	119	94
35°	276	276	262	241	221	205	189	177	170	143	112
37.5°	297	297	290	276	254	236	218	207	201	171	133
40°	314	314	307	297	285	266	247	236	230	200	156
42.5°	323	323	319	311	306	294	279	265	258	229	180
45°	331	330	324	323	319	317	308	295	289	257	206
47.5°	342	341	334	326	330	336	332	320	316	286	232
50°	344	343	340	334	340	350	353	345	343	311	257
52.5°	357	356	349	346	349	365	376	369	366	334	285
55°	391	389	378	364	369	389	403	399	394	359	306
57.5°	389	389	383	374	383	408	430	429	425	388	328
60°	379	378	371	370	383	415	447	453	451	414	350
62.5°	366	364	357	356	373	412	453	466	465	432	368
65°	342	339	337	336	357	399	445	464	466	438	378
67.5°	311	308	309	311	335	378	427	449	452	431	375
70°	280	278	279	283	306	350	399	423	426	412	360
72.5°	243	241	243	248	271	312	361	384	390	379	332
75°	208	206	208	211	231	270	315	336	341	335	293
77.5°	172	171	170	172	189	223	260	276	281	276	239
80°	132	131	128	129	145	172	197	207	212	208	179
82.5°	88	85	83	84	96	114	129	132	135	131	111
85°	28	33	32	35	39	42	50	47	49	49	42
87.5°	2	1	1	1	1	1	1	1	1	1	1
90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	35	35	35	35	35	35	35	35	35	35	35
2.5°	36	36	35	34	34	33	33	33	32	33	32
5°	37	36	35	34	33	32	31	31	30	30	30
7.5°	38	37	35	34	32	31	30	29	29	29	29
10°	39	38	36	34	32	31	30	29	28	28	27
12.5°	41	40	37	34	32	30	29	27	27	26	26
15°	42	41	37	34	32	29	27	26	25	25	25
17.5°	44	42	38	35	32	29	27	25	24	24	24
20°	48	45	40	36	32	29	27	25	23	23	23
22.5°	52	48	42	37	33	29	26	24	23	22	22
25°	57	53	45	39	34	29	26	24	22	22	22
27.5°	63	58	48	41	35	30	26	23	22	21	21
30°	72	63	52	43	36	31	26	23	22	21	21
32.5°	83	73	56	46	37	31	26	23	21	21	21
35°	97	83	62	48	39	32	27	23	21	21	21
37.5°	115	97	70	51	41	32	27	24	22	21	21
40°	135	114	79	56	43	34	27	24	22	21	21
42.5°	157	132	92	63	45	35	29	24	22	21	21
45°	180	152	105	71	49	37	29	25	22	21	21
47.5°	203	174	120	80	54	39	30	25	22	21	21
50°	228	196	136	91	60	41	31	25	22	21	21
52.5°	250	218	151	101	66	44	32	25	22	21	21
55°	274	237	167	111	72	47	33	25	22	21	21
57.5°	294	255	182	120	78	50	33	26	22	21	20
60°	314	274	196	129	83	53	34	25	21	20	20
62.5°	331	291	207	136	87	55	34	25	21	19	19
65°	340	301	214	140	89	55	34	23	20	18	18
67.5°	339	301	215	141	89	55	33	22	18	17	16
70°	328	292	210	137	85	52	31	20	16	15	15
72.5°	303	270	196	128	79	48	29	18	14	13	13
75°	266	237	174	113	70	42	25	15	12	11	11
77.5°	220	196	144	93	57	35	21	13	10	9	9
80°	165	145	106	68	42	26	16	10	8	7	7
82.5°	102	89	64	41	25	16	10	7	5	5	5
85°	37	33	24	15	10	7	5	4	3	2	2
87.5°	1	1	1	1	1	1	1	1	0	0	0
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)